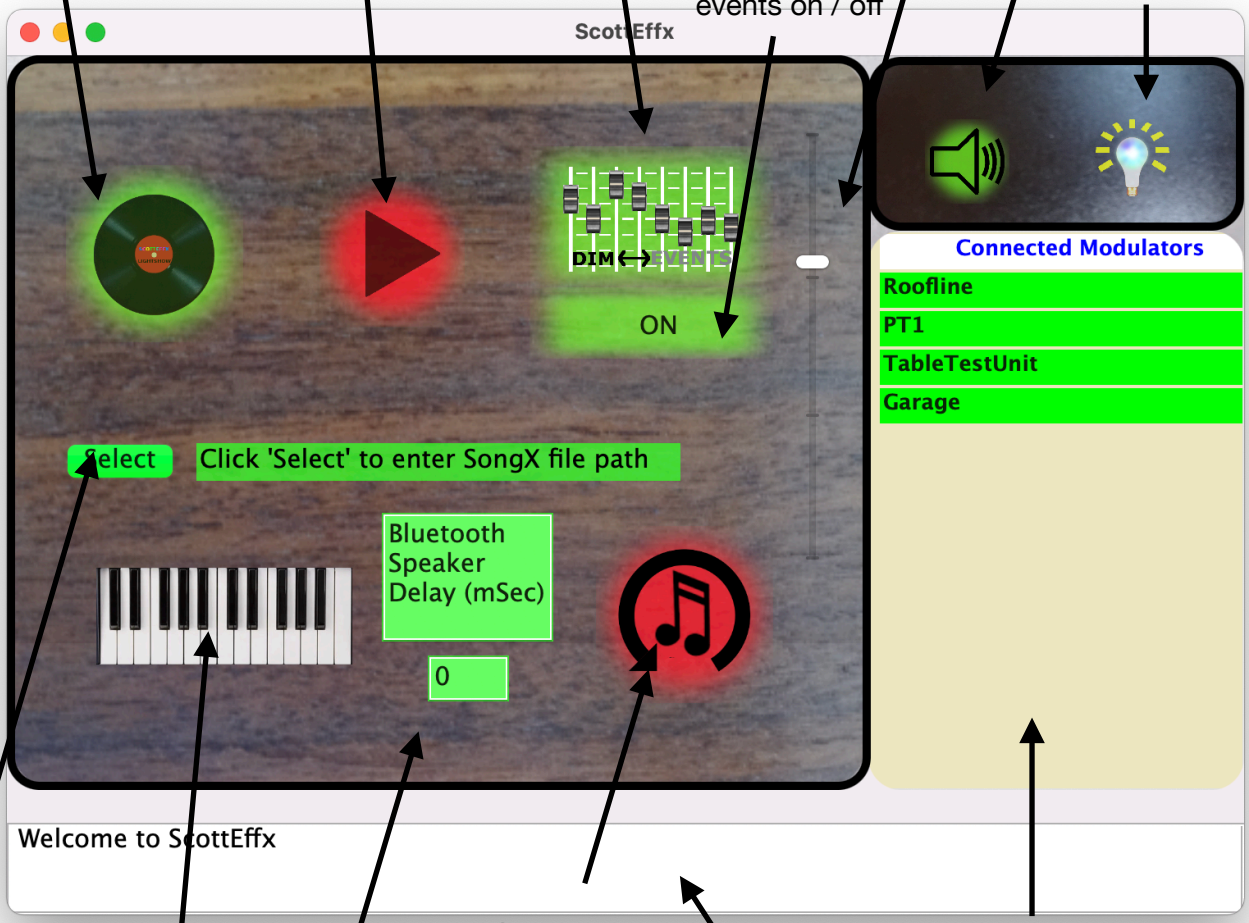
Quick Start - *Explore the ScottEffx Mac Application*

main page



Stop button, stops a playing or paused light show

Play a stopped or paused light show. A green highlight means a valid song is selected

Toggle between the manual dimmer mode and timed events mode

Main dimming control

Toggle - sound on/off, light show continues

Toggle - lights on/off, sound continues

Turn dimmer/ events on / off

Navigate to a music light show MP3 file in this Mac's directory

Press to enter the Compose view

Time delay to sync lights with a Bluetooth speaker

Loop through the playlist of all songs in the same directory as the selected song.
When each song ends, the next

Text region to display Application messages

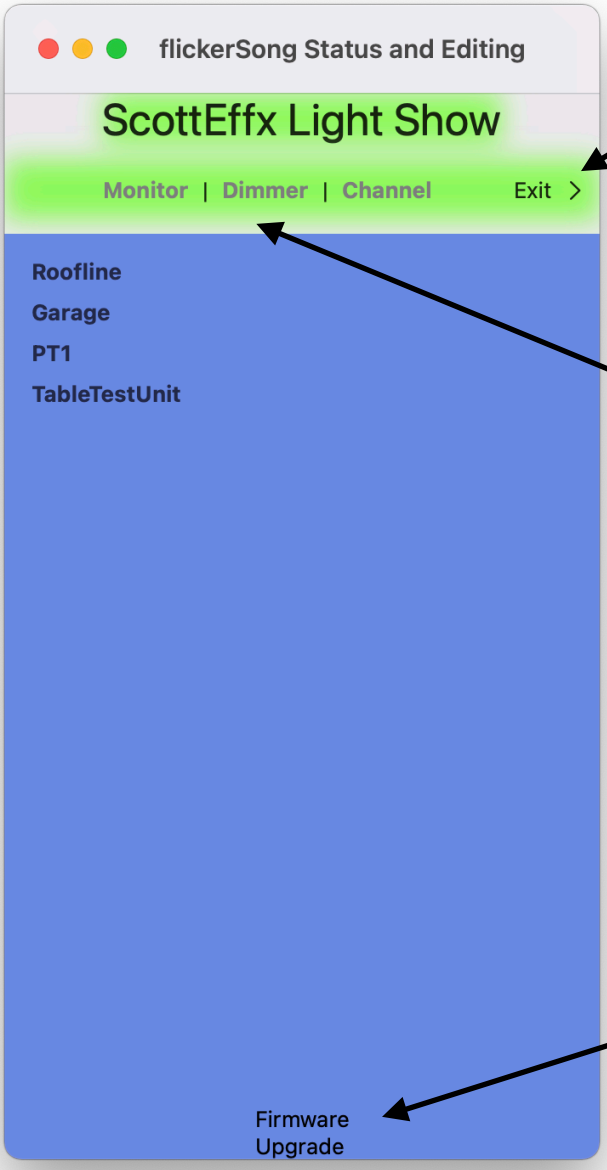
List of connected ***flickerSongs***

Click in this area to access the ***flickerSong*** view

Quick Start *- Explore the ScottEffx Mac Application*

flickerSong View

List of ***flickerSongs*** currently connected to this app



Return to the Playlist View

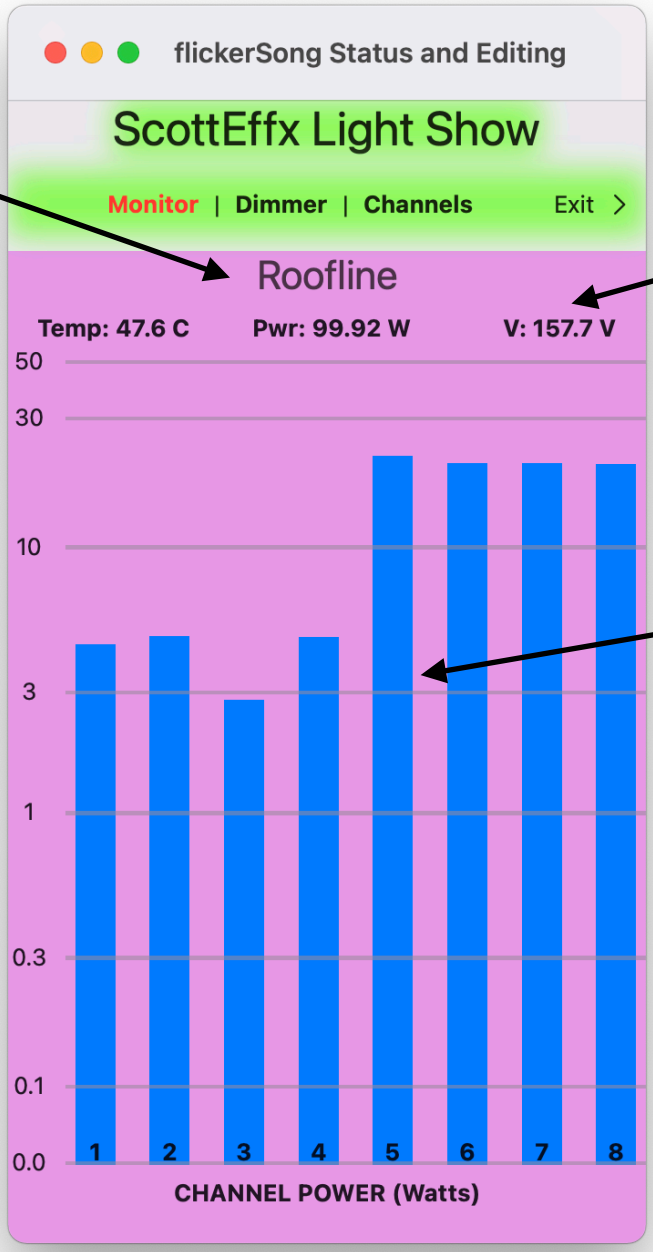
First select one of the ***flickerSongs*** in the list then click here to access it's Monitor, Dimmer, or Channel configuration views

Press and hold for 5 seconds to access the Firmware Upgrade window.
Not a common operation.
See the Firmware Upgrade tutorial for more information

Quick Start - *Explore the ScottEffx Macintosh Application*

Monitor

flickerSong
Name selected from the list

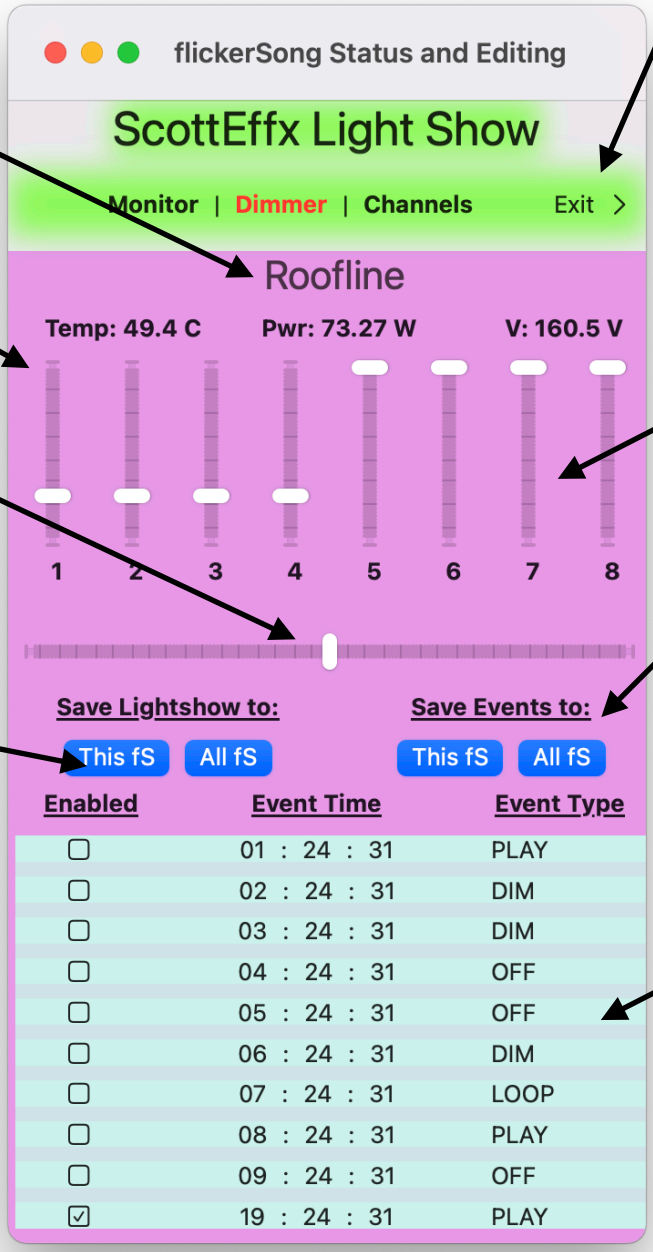


Internal temperature, total output power, and internal drive voltage for this ***flickerSong***

Power provided by each of the eight ***flickerSong*** outputs

Quick Start - *Explore the ScottEffx Macintosh Application*

Dimmer and Events



Name of ***flickerSong*** being programmed here

flickerSong output dimming controls

Main Dimmer: Each output is dimmed by this control combined with the individual sliders. Same slider as Play View

Save the lightshow, if selected in Playlist view, to be used for PLAY or LOOP events, which will play independent of this app

Enabled: Event is enabled to start at the event time

Event Time: Event starts at the programmed time of day. 24 hour clock. Time zone from your iPhone is used with NIST time

Return to the **Playlist** view

When an event below is selected and highlighted, the dimmer settings are active and saved for the selected event. If no events are highlighted below, then these are the manual dimmer settings

Press to save the event list below to this or to all connected ***flickerSongs***

***flickerSong* Events** Create events which are activated at the Event Time of day.

Event Types: *OFF, DIM, PLAY, LOOP*

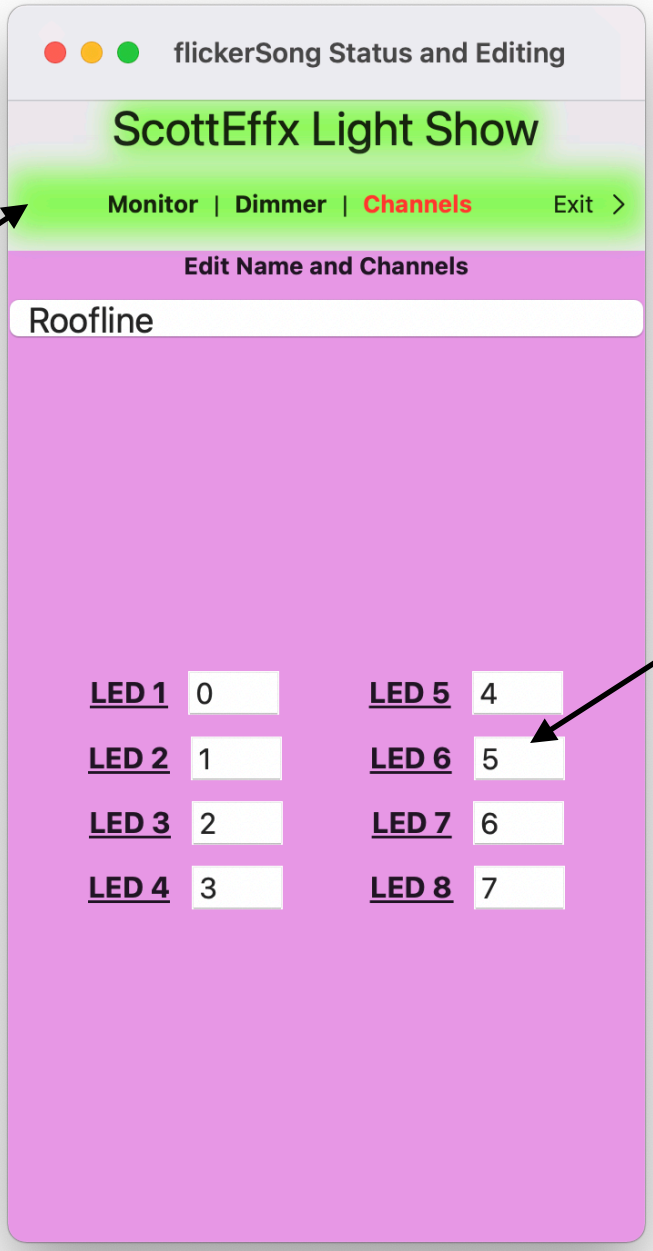
Off: Turn lights off
Dim: Turn lights on to a unique dim setting
Play: Play the saved light sequence one time
Loop: Keep replaying the light sequence until stopped by the next event

Quick Start *- Explore the ScottEffx Macintosh Application,*

Channels

Click for this ***flickerSong's*** 'Monitor' or 'Dimmer view', click 'Channels' to return to the ***flickerSong*** selection view, or click 'Exit' for the Playlist view.

Edit the ***flickerSong*** name



Select and edit the Light Show channel (midiMap) to which each output is connected. You can select channel numbers 0 - 255

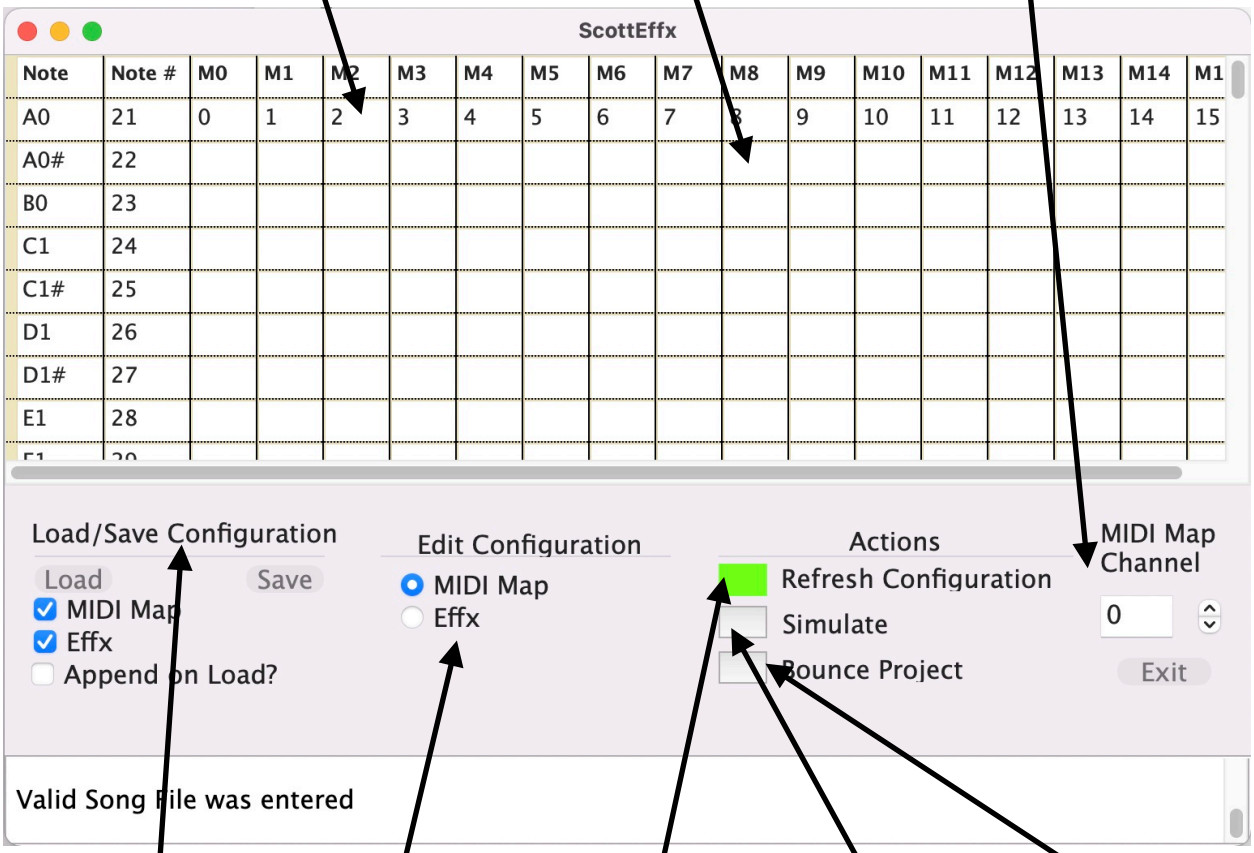
Start *- Explore the ScottEffx Mac Application -* ***Compose View***

While in this view, all 'Note On' MIDI Messages on the Macintosh sent to the ***ScottEffx_MIDI_Port*** in the **IAC Driver** are played according to this MIDI Map. Typically the MIDI Messages are sent by your Digital Audio Workshop

Edit the Effect number to be played, for the combination of the Note and MIDI channel for each received MIDI message

Enter the number 255, displayed as a blank cell, to play no effect

MIDI Map currently being edited, 0 - 255



Load or Save a .txt file of the MIDI Maps and Effects. Choose what to load/save, and whether to append the file's MIDI Map and Effects to the current ones

Select either the MIDI Map or the Effects for editing

Press to update all connected ***flickerSongs*** with any new MIDI Map or Effect changes, as ***flickerSongs*** store the data locally

Press to display light show in a graphical simulation. **See the Simulation tutorial**

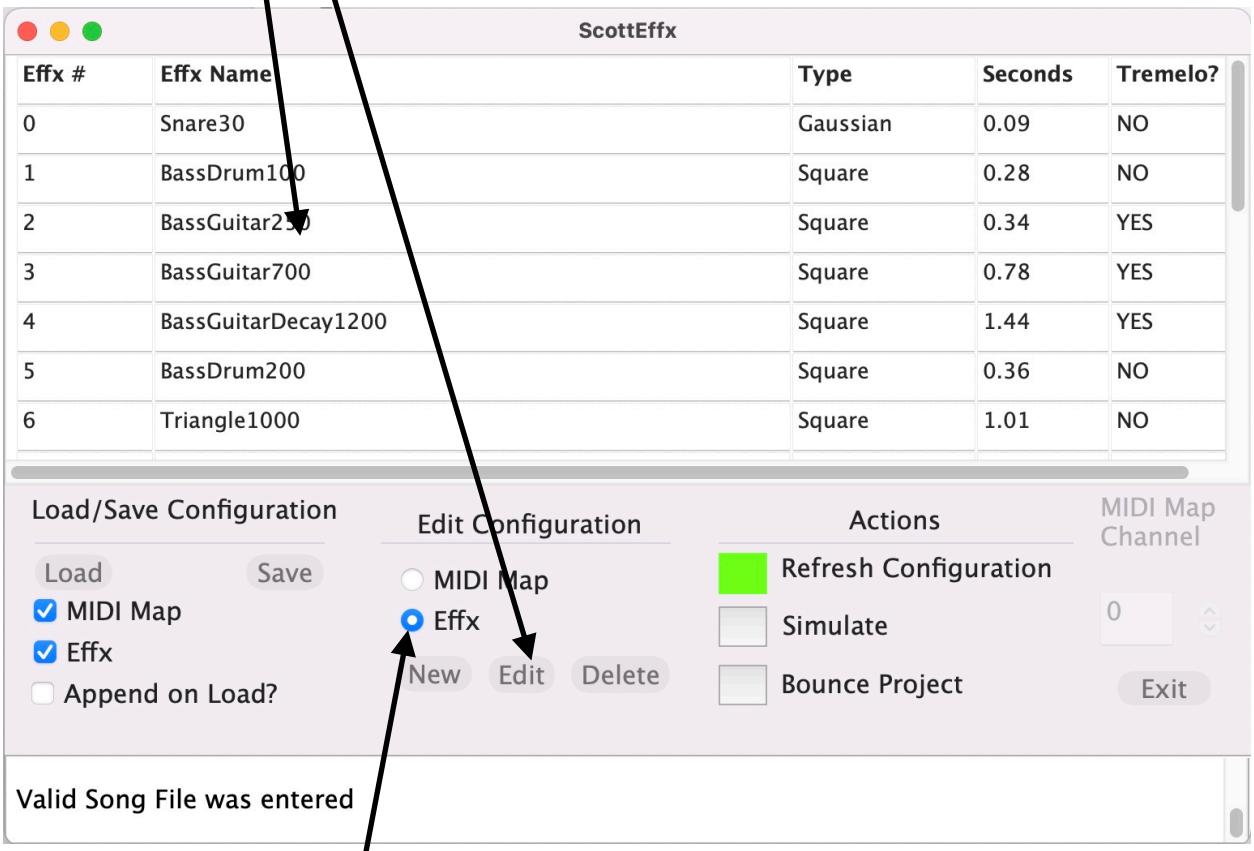
Combine an existing MIDI file, this configuration, and an existing MP3 music file into a stand-alone MP3 music light-show file

Quick Start *- Explore the ScottEffx Mac Application,*

Compose View (cont.)

Effects list displayed, click on one to edit its properties

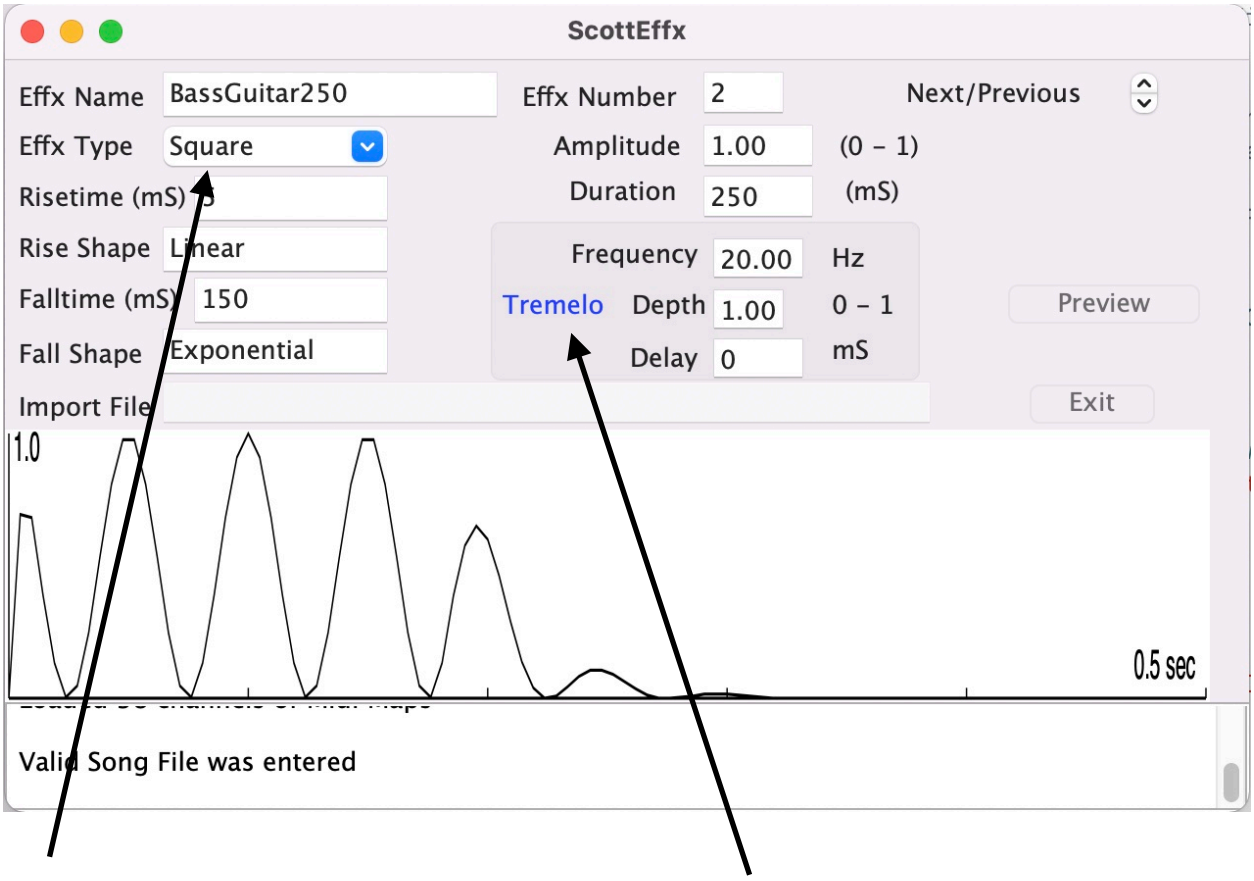
Click on the effect
then press 'EDIT' to
edit Effect parameters



Effects button
selected, now the
table displays the list
of Effects

Quick Start - Explore the ScottEffx Mac Application - Effect Editing

Effect Editing:
Effx Name - A name you provide for the Effect
Effx Type - Either **Square** or **Gaussian** (smooth) shape, or else User provided **Import** file
Risetime, Falltime - The time in milliseconds for the transition for **Square** effect shapes
Rise or Fall Shape - Shape of the transition, can be **Linear**, **Gaussian**, or **Sine^2**
Effx Number - A number you assign from 0 to 254 for this effect
Amplitude - Amplitude at the peak of the Square or Gaussian effect from 0 to 1.0
Duration - Width of the Effect nominally measured at it's half-max value



Import File
Optionally you can read in your own file which defines the Effect shape. For that create a .txt file from a text editor, the first line is the Effect name, then all subsequent lines represent the Amplitude 0-255 at a rate of 210 per second. If you enter a number larger than 255, the entire sequence is scaled downwards to keep the peak at 255

Tremelo Editing:
Tremelo can be added to the Effect by selecting the parameters here. The Tremelo frequency, depth of modulation, and delay can be set. Setting **Depth** to 1.0 will modulate down to zero as shown in the plot, **Depth** set to 0.5 will modulate down to 50% : peak. The **Delay** in millseconds is how long to wait into the effect before Tremelo starts. To turn off Tremelo set the **Depth** to 0.0